

IN THE CLAIMS

Please cancel claims 2, 19 and 20, and amend the claims, as follows:

1. (Currently amended) A mobile terminal comprising:

an operating system having a file system with one or more modules configured for detecting a filename with an illegal character, and for encoding the filename by replacing the illegal character with a specific code character having information coded therein about the illegal character itself, the specific code character comprising an identifier field having information to represent an identifier which is reserved for private use and that is not any character specified in character set standards, a character field having information to represent the illegal character, and a position field having information to represent the position of the illegal character in the filename.

2. (Canceled) A mobile terminal according to claim 1, wherein the specific code character includes information about the position of the illegal character in the filename.

3. (Currently amended) A mobile terminal according to claim 12, wherein the position of the illegal character is represented with 8 bits of a Unicode character.

4. (Original) A mobile terminal according to claim 1, wherein the illegal characters form part of a specific list or set of characters that are illegal.

5. (Original) A mobile terminal according to claim 4, wherein the illegal character itself is mapped using 4 bits of a Unicode character.

6. (Previously presented) A mobile terminal according to claim 1, wherein the specific code character includes information to identify the specific code character from other characters.

7. (Original) A mobile terminal according to claim 6, wherein coded characters are identified by four most significant bits of the filename, including using code areas from E000 to F8FF in the Unicode character code standard.

8. (Original) A mobile terminal according to claim 1, wherein the specific code character is placed in a predefined location in the filename.

9. (Original) A mobile terminal according to claim 1, wherein the specific code character is placed at the end of a main portion of the filename before a commonly used extension.

10. (Original) A mobile terminal according to claim 1, wherein the file system further comprises a decoder module for decoding an encoded filename by replacing the specific code character with the illegal character, whereby the filename is decoded back to the original format.

11. (Original) A mobile terminal according to claim 1, wherein the file system receives filenames from an external source and stores the filenames without corrupting them.

12. (Original) A mobile terminal according to claim 11, wherein the file system has a mass storage device for use as a storage device by the external source.

13. (Original) A mobile terminal according to claim 1, wherein the filename comprises 16-bit Unicode characters and each specific code character replaces a respective 16-bit Unicode character.

14. (Original) A mobile terminal according to claim 13, wherein the specific code character is based on a symmetrical filename coding scheme using substantially all 16 bits of a Unicode character to encode one illegal character.

15. (Currently amended) An encoder forming part of a file system of an operating system in a mobile terminal, comprising:

one or more modules configured to encode a filename having an illegal character by replacing the illegal character with a specific code character having information coded therein about the illegal character itself, the specific code character comprising an identifier field having information to represent an identifier which is reserved for private use and that is not any character specified in character set standards, a character field having information to represent the illegal character, and a position field having information to represent the position of the illegal character in the filename.

16. (Currently amended) A decoder forming part of a file system of an operating system in a mobile terminal, comprising:

one or more modules configured for decoding an encoded filename, that was encoded by an encoder module by replaced an illegal character in a filename with a specific code character having information coded therein about the illegal character itself, by replacing the specific code character with the illegal character so that the filename is decoded back to the original format, the specific code character comprising an identifier field having information to represent an identifier which is reserved for private use and that is not any character specified in character set standards, a character field having information to represent the illegal character, and a position field having information to represent the position of the illegal character in the filename.

17. (Currently amended) A method comprising:

detecting a filename with an illegal character in a file system of an operating system in a mobile terminal; and

encoding the filename by replacing the illegal character with a specific code character having information coded therein about the illegal character itself so as to form an encoded filename, the specific code character comprising an identifier field having information to represent an identifier which is reserved for private use and that is not any character specified in character set standards, a character field having information to represent the illegal character, and a position field having information to represent the position of the illegal character in the filename.

18. (Currently amended) Apparatus comprising:

means for detecting a filename with an illegal character in a file system of an operating system in a mobile terminal; and

means for encoding the filename by replacing the illegal character with a specific code character having information coded therein about the illegal character itself, the specific code character comprising an identifier field having information to represent an identifier which is reserved for private use and that is not any character specified in character set standards, a character field having information to represent the illegal character, and a position field having information to represent the position of the illegal character in the filename.

19. (Canceled) A mobile terminal according to claim 1, wherein the specific code character is an n-bit coded character having a position field with one group of the n-bits containing encoded information about the position of the illegal character in the filename, and a character field with another group of the n-bits containing encoded information about the illegal character itself in the filename.

20. (Canceled) A mobile terminal according to claim 19, wherein the n-bit coded character includes an identifier field with a further group of the n-bits containing encoded information about the identity of the specific code character from other characters in a set of standard characters.